

Work Order ID 85244

June-05-12 9:10:00 AM

Item ID: D412-742-013

Accept

\*85244\*

Revision ID:

Item Name: Float Skidtube Installation

Start Date: 05/06/2012 Start Qty: 1.00

\*1\*

Required Date: 19/06/2012 Req'd Qty: 1.00

\*1\*

\*N900040100\*

Setup Start

\*NS1\*

Stop \*NS2\*

Reference:

Approvals: Process Plan: MLJ

Date: 12/06/08 Tooling:

Date:

Run Start

\*NR1\*

QC:

Date:

SPC (Y/N):

Date:

Stop

\*NR2\*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
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IIN D412-742	E	0.00							
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100

\*100\*

DOCUMENT CONTROL

DC

Document Control

Memo

0.00

Photocopy bluefile and create labels per PPP D412-742-013 CHG007

JB Sildarw

MLJ 12/06/08

110

\*110\*

Packaging

Packaging

Pick Kit

0.00

Memo

0.00

12/06/15 JB

SD

120

\*120\*

QC

Quality Control

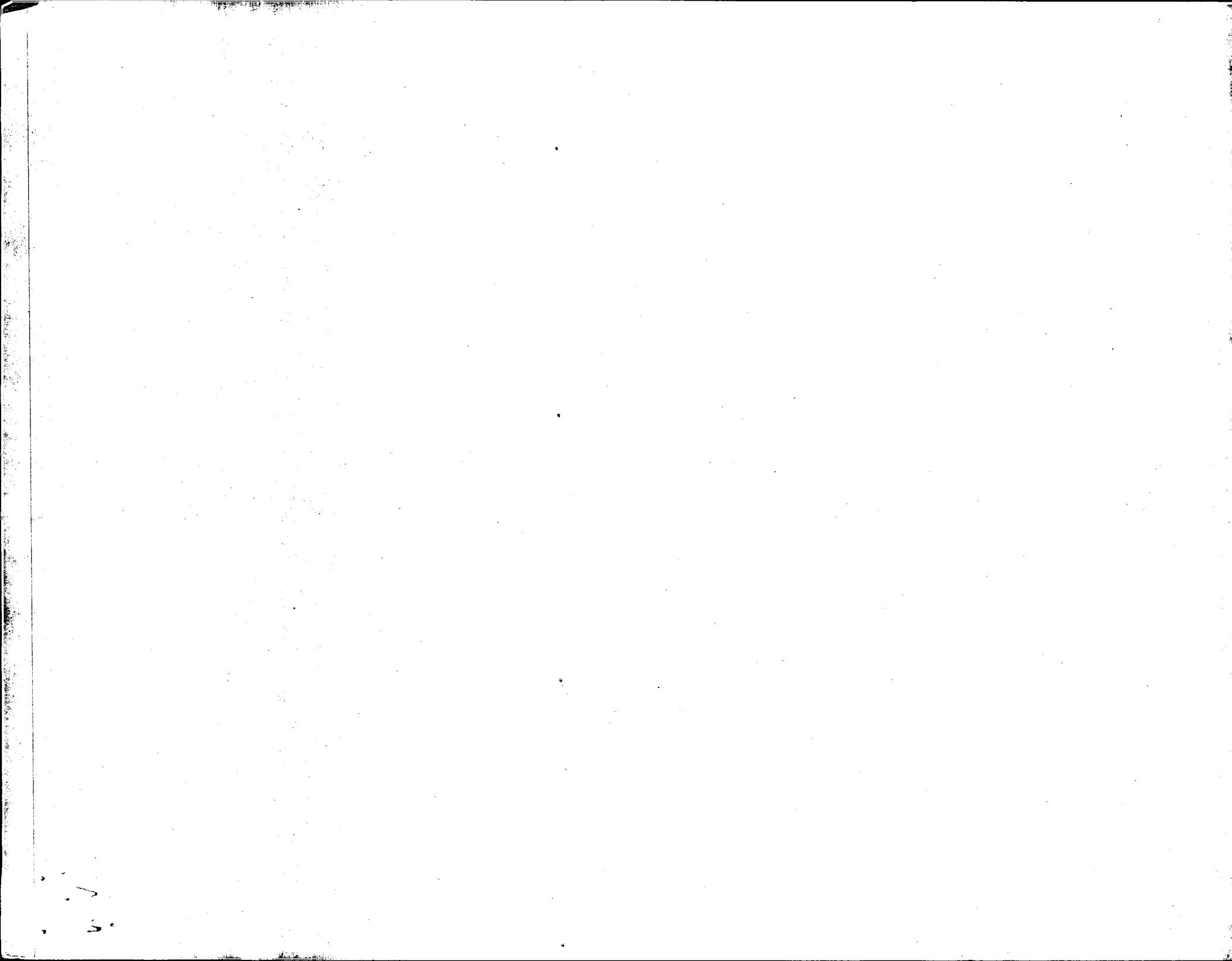
QC4- 100% Inspect kits for completeness

0.00

Memo

0.00

Sildarw



Picklist Print

Work Order ID 85244

\*85244\*

Page 2

June-05-12 9:10:00 AM

Item ID: D412-742-013

Accept

\*N900040100\*

Setup Start \*NS1\*

Stop \*NS2\*

Revision ID:

Item Name: Float Skidtube Installation

Start Date: 05/06/2012 Start Qty: 1.00

\*1\*

Cust Item ID:

Required Date: 19/06/2012 Req'd Qty: 1.00

\*1\*

Customer:

Reference:

Run Start \*NR1\*

Approvals: Process Plan:

Date:

Tooling:

Date:

Stop

\*NR2\*

QC:

Date:

SPC (Y/N):

Date:

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

130

\*130\*

Packaging

Packaging

0.00

(X)

Sp  
12-6-20

Packaging

Memo

Identify and pack for shipping as per PPP D412-742-013  
Location:

Rev I

140

QC21- Final Inspection - Work Order Release

0.00

MLJ 1210612

\*140\*

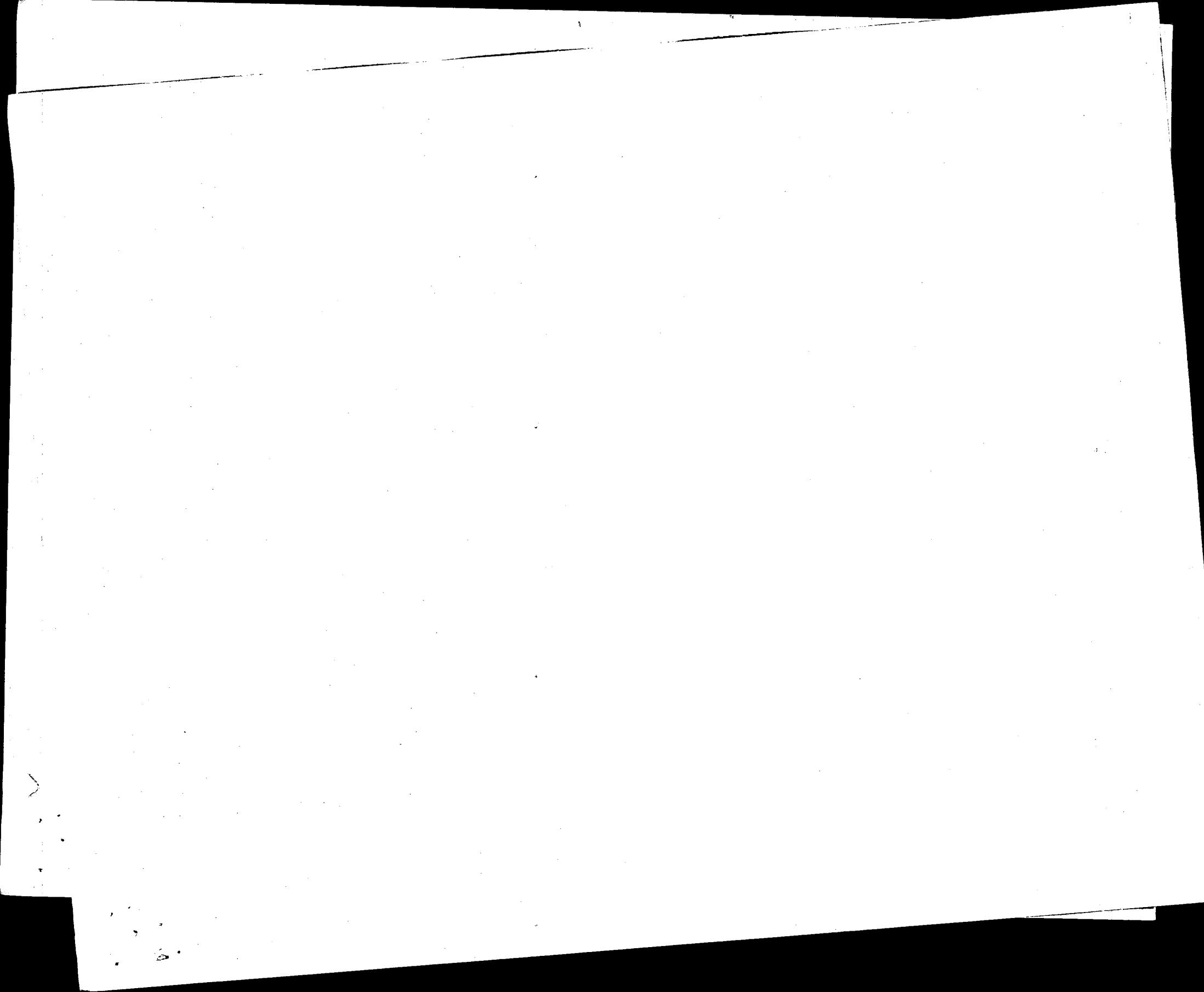
QC

Quality Control

Memo

0.00

MF  
12-06-20



NCR: Yes / No

## WORK ORDER NON-CONFORMANCE / UPDATE

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____			DISPOSITION		AGAINST DEPARTMENT/PROCESS					
			Rework Scrap Use-as-is Work Order Update	Skid-tube Machining Thermoforming Large Fab	Crosstube Small Fab Finishing Composite	Prod. Eng. Coor. Rec/Store/Packaging Supplier Other	Engineering Quality			
Part No. _____  NCR No. _____										
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector	
Doc/Data										
Equip/Tooling										
Operator										
Material										
Offset/Setup										
Other										
Process										
Supplier										
Training										
Unauthorized										
FAULT CATEGORY										
<b>Landing Gear</b> <input type="checkbox"/> Bending Passes Below Min <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimp at Bending <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Other <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Ripples on Inner Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				<b>Hardware</b> <input type="checkbox"/> Breaking <input type="checkbox"/> Missing <input type="checkbox"/> Size/Length <input type="checkbox"/> Spinning <input type="checkbox"/> Threading <input type="checkbox"/> Wrong	<b>General</b> <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Documentation/Data <input type="checkbox"/> Finish <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Inspection Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Jigs/Fixtures/Tooling <input type="checkbox"/> Kit Incorrect <input type="checkbox"/> Kit Missing	<input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Off-Set <input type="checkbox"/> Orientation Misread <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Lost <input type="checkbox"/> Part Moved <input type="checkbox"/> Raw Material	<input type="checkbox"/> Set-up <input type="checkbox"/> Supplier <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled			
				<b>Drill Holes</b> <input type="checkbox"/> Misaligned <input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Undersized <input type="checkbox"/> Too Many				<input type="checkbox"/> Other		

# Picklist Print

June-05-12 9:10:03 AM

Work Order ID: 85244

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

\*85244\*

\*D412-742-013\*

Start Date: 05/06/2012

Start Qty: 1.00

Required Date: 19/06/2012

Required Qty: 1.00

D2571

Manufactured No

110

Each

18.0000

1  
\*\*  
JB

\*D2571\*  
Saddle, Fwd Out 205

Location	Loc Qty	Loc Code
ST	1	
11644	1	
ST425	-13	
ST432	17	
83451	5	
83670	12	
ST433	13	

D2572

Manufactured No

110

Each

2.0000

1  
\*\*  
82812 JB

\*D2572\*  
Saddle, Fwd In 205

Location	Loc Qty	Loc Code
ST432	2	
71107	2	

D2573

Manufactured No

110

Each

22.0000

1  
\*\*  
JB

\*D2573\*  
Saddle, Aft Out 205

Location	Loc Qty	Loc Code
ST423	-12	
79424	0	
ST433	22	
83453	4	
83454	6	
83669	12	
ST434	12	

NCR: Yes / No

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order: _____		DISPOSITION		AGAINST DEPARTMENT/PROCESS					
Part No. _____		Rework <input type="checkbox"/>	Scrap <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Prod. Eng. Coor. <input type="checkbox"/>	Engineering <input type="checkbox"/>		
NCR No. _____		Use-as-is <input type="checkbox"/>	Work Order Update <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Quality <input type="checkbox"/>		
		Thermoforming <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Finishing <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	Other <input type="checkbox"/>		
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data									
Equip/Tooling									
Operator									
Material									
Offset/Setup									
Other									
Process									
Supplier									
Training									
Unauthorized									
FAULT CATEGORY									
<b>Landing Gear</b> <input type="checkbox"/> Bending Passes Below Min <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimp at Bending <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Other <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Ripples on Inner Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube				<b>Hardware</b> <input type="checkbox"/> Breaking <input type="checkbox"/> Missing <input type="checkbox"/> Size/Length <input type="checkbox"/> Spinning <input type="checkbox"/> Threading <input type="checkbox"/> Wrong		<b>General</b> <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Documentation/Data <input type="checkbox"/> Finish <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Inspection Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Jigs/Fixtures/Tooling <input type="checkbox"/> Kit Incorrect <input type="checkbox"/> Kit Missing		<input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Off-Set <input type="checkbox"/> Orientation Misread <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Lost <input type="checkbox"/> Part Moved <input type="checkbox"/> Raw Material	
				<b>Drill Holes</b> <input type="checkbox"/> Misaligned <input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Undersized <input type="checkbox"/> Too Many				<input type="checkbox"/> Set-up <input type="checkbox"/> Supplier <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled	
								<input type="checkbox"/> Other	

# Picklist Print

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Work Order ID: 85244

\*85244\*  
\*D412-742-013\*

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 05/06/2012

Required Date: 19/06/2012

Start Qty: 1.00

Required Qty: 1.00

D2574  
\*D2574\*  
Saddle, Aft In 205

Manufactured No 110 Each 22.0000

1 1 ✓  
\*\*

Location	Loc Qty	Loc Code
ST433	22	
83455	4	
83456	6	83456
83671	12	

Manufactured No 110 Each 132.0000

2 2 ✓  
\*\*

Location	Loc Qty	Loc Code
ST020	132	
79693	9	
83323	40	
83890	83	83890

Manufactured No 110 Each 102.0000

2 2 ✓  
\*\*

Location	Loc Qty	Loc Code
ST020	102	
83324	39	83324
83891	63	

D2876  
\*D2876\*  
Saddle Spacer

D2877  
\*D2877\*  
Saddle Spacer

# Picklist Print

June-05-12 9:10:03 AM

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Work Order ID: 85244

\*85244\*  
\*D412-742-013\*

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 05/06/2012

Required Date: 19/06/2012

Start Qty: 1.00

Required Qty: 1.00

D3403-1

\*D3403-1\*  
Bushing

Manufactured No 110 Each 55.0000

8 8  
\*\*

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST041	15	
70696	15	
ST042	40	
80208	7	
80219	4	
81529	29	

JB SP

D3403-5

\*D3403-5\*  
Bushing

Manufactured No 110 Each 38.0000

8 8  
\*\*

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST042	38	
81531	38	

81529  
JB SP

D2747

\*D2747\*  
Set Screw

Manufactured No 110 Each 172.0000

4 4  
\*\*

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST017	172	
79520	5	
81877	167	

41531  
JB SP

D3533-1

\*D3533-1\*  
Set Screw

Manufactured No 110 Each 106.0000

2 2  
\*\*

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST053	106	
80326	6	
83892	100	

81877  
JB SP 12/06/15

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June-05-12 9:10:03 AM

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Work Order ID: 85244

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

\*85244\*  
\*D412-742-013\*

Start Date: 05/06/2012

Start Qty: 1.00

Required Date: 19/06/2012

Required Qty: 1.00

AN4C6A

\*AN4C6A\*  
Bolt

Purchased No 110 Each 567.0000

16 16

\*\*

14 + 121656 JB SP

121656

\*\*

4 4

JB SP

AN4C53A

\*AN4C53A\*  
Bolt

Purchased No 110 Each 22.0000

121656

\*\*

4 4

JB SP

AN4C52A

\*AN4C52A\*  
BOLT

Purchased No 110 Each 56.0000

121683

\*\*

4 4

JB SP

AN6C12A

\*AN6C12A\*  
BOLT

Purchased No 110 Each 38.0000

120364

\*\*

8 8

JB SP

120615

# Picklist Print

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Work Order ID: 85244

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

\*85244\*  
\*D412-742-013\*

Start Date: 05/06/2012

Start Qty: 1.00

Required Date: 19/06/2012

Required Qty: 1.00

D3672-3   
\*D3672-3\*  
Phenolic Washer

Manufactured No 110 Each 655.0000 32 32 \*\*

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST060	655	
84361	655	

AN960C4161   
\*AN960C4161\*  
WASHER

Purchased No 110 Each 0.0000 32 32 \*\*

84361  
121255 JB SP

Manufactured No 110 Each 348.0000 8 8 \*\*

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST060	348	
81763	348	

NAS1149C0632R   
\*NAS1149C0632R\*  
WASHER

Purchased No 110 Each 231.0000 8 8 \*\*

81763  
JB SP

Manufactured No 110 Each 243.0000 8 8 \*\*

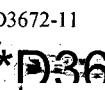
<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST297	231	
119736	2	
121060	29	
121825	200	

121060  
JB 12/06/15

Manufactured No 110 Each 243.0000 8 8 \*\*

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST060	243	
77483	243	

77483  
JB 12/06/15

D3672-11   
\*D3672-11\*  
Phenolic Washer

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Work Order ID: 85244

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

\*85244\*  
\*D412-742-013\*

Start Date: 05/06/2012

Required Date: 19/06/2012

Start Qty: 1.00

Required Qty: 1.00

MS21043-4

Purchased No 110 Each 1,287.000

\*MS21043-4\*

Nut

20 29 ✓

\*\*

JB SP

D3403-3

Manufactured No 110 Each 29.0000

\*D3403-3\*

Bushing

8 8 ✓

\*\*

JB SP

D3405-041

Manufactured No 110 Each 16.0000

\*D3405-041\*

Lug Assembly

4X 84503 ✓

\*\*

JB SP 12/06/12

Location	Loc Qty	Loc Code
FG	40	
104603	40	
ST301	1247	
119546	131	
121162	616	121162
121652	500	

Location	Loc Qty	Loc Code
ST042	29	
81530	7	
84503	22	

Location	Loc Qty	Loc Code
ST478	16	
62227	2	
77000	2	
83896	12	83896

# Picklist Print

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Work Order ID: 85244

\*85244\*

Parent Item: D412-742-013

\*D412-742-013\*

Parent Item Name: Float Skidtube Installation

Start Date: 05/06/2012

Required Date: 19/06/2012

Start Qty: 1.00

Required Qty: 1.00

D3405-043

Manufactured No

110 Each

12.0000

0 1  
\*\*

83312 JB

SP

Lug Assembly

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST478	12	
82038	1	
83897	11	

AN4C7A

Purchased No

110 Each

143.0000

4 4 ✓  
\*\*

JB SP

Bolt

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST356	143	
109147	143	

D3407-041

Manufactured No

110 Each

25.0000

1 1 ✓  
\*\*

109147

JB SP

Tow Ring

Manufactured No

110 Each

31.0000

2 2 ✓  
\*\*

JB SP

D3417-3

\*D3417-3\*

Washer

Manufactured No

110 Each

31.0000

2 2 ✓  
\*\*

82068

JB SP

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST463	25	
82067	6	
82068	19	

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
FG	9	
33519	9	
ST042	22	
80225	22	

82068

JB SP

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June-05-12 9:10:04 AM

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Work Order ID: 85244

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

\*85244\*  
\*D412-742-013\*

Start Date: 05/06/2012

Required Date: 19/06/2012

Start Qty: 1.00

Required Qty: 1.00

D3456-1

~~\*D3456-1\*~~

Manufactured No

110

Each

149.0000

1 1

\*\*

JB

SP

Location	Loc Qty	Loc Code
FG	7	
25701	7	
ST044	142	
80252	1	
81876	41	
83584	100	

AN3C37A

~~\*AN3C37A\*~~

Purchased No

110

Each

141.0000

1 1

\*\*

JB

SP

Location	Loc Qty	Loc Code
ST354	141	
116874	11	
117010	2	
120422	3	
121068	75	
121585	50	

AN3C40A

~~\*AN3C40A\*~~

Purchased No

110

Each

24.0000

1 1

\*\*

JB

SP

012106115

Location	Loc Qty	Loc Code
ST354	24	
114442	24	

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Work Order ID: 85244

\*85244\*  
\*D412-742-013\*

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 05/06/2012

Required Date: 19/06/2012

Start Qty: 1.00

Required Qty: 1.00

AN3C41A

*S*\*AN3C41A\*  
BOLT

Purchased No 110 Each 138.0000

*JB SP*

\*\*

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
FG	4	
103324	4	
ST354	134	
120753	24	
121013	30	121013
121313	80	

AN3C42A

*S*\*AN3C42A\*  
BOLT

Purchased No 110 Each 32.0000

*JB SP*

\*\*

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST354	32	
106176	1	
120464	6	120464
121103	25	

AN3C43A

*S*\*AN3C43A\*  
BOLT

Purchased No 110 Each 92.0000

*JB SP*

\*\*

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST354	92	
114455	2	
119673	1	
120465	89	120465

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Work Order ID: 85244

Parent Item: D412-742-013

Parent Item Name: Float Skidtube Installation

\*85244\*  
\*D412-742-013\*

Start Date: 05/06/2012

Start Qty: 1.00

Required Date: 19/06/2012

Required Qty: 1.00

AN3C46A  
BOLT  
\*AN3C46A\*

Purchased No 110 Each 53.0000

55 5 ✓

\*\* JB SP

AN960C10L

NAS1149C0332 R Purchased

Location ST355 Loc Qty 53  
120447 53

120447

washer

MS21043-3

Nut  
\*MS21043-3\*

Purchased No 110 Each 1,557.0000

13 13 ✓

\*\* JB SP

122063 JB SP

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
FG	72	
103691	72	
GA	14	
120693	14	
ST301	1471	
118077	2	
118614	51	
118686	30	
119758	20	
121255	368	121255
121708	1000	

## 5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List

Item	Qty -013	Qty -043	Part Number	Description
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION
<1	X		D412-742-043	FLOAT SKIDTUBE
	1		D3391-043	412 FLOAT SKIDTUBE
1	*24		*AN3C4A	*BOLT
3	*10		*AN3C6A	*BOLT
4	*4		*AN3C7A	*BOLT
5	*38		*AN960C10L	*WASHER
21	*1		*D4095-041	*WEARSHOE (REPLACES D3564-1)
22	*1		*D4095-043	*WEARSHOE (REPLACES D3564-3)
23	*1		*D4095-045	*WEARSHOE (REPLACES D3564-5)
10	*1		*D3391-021	*412 FORWARD TUBE
11	**1		**D3401-041	**TOW CAP
12A	**10		**AEELS-1032-225	**INSERT (REPLACES NAS1330S3KB166)
13	**10		**AN3C4A	**BOLT
14A	**4		**D3672-1	**WASHER (REPLACES NAS1515H3L)
14B	**10		**AN960C10L	**WASHER
24	**1		**D4095-051	**WEARSHOE (REPLACES D3564-13)
20	*1		*D3391-023	*412 MID TUBE
28	**20		**AEELS-1032-130	**INSERT (REPLACES NAS1330S3KB116)
30	*1		*D3391-025	*412 AFT TUBE
25	**1		*D4095-049	**WEARPAD (REPLACES D3537-1)
26	**1		*D4095-047	**WEARPAD (REPLACES D3537-7)
31	**1		**D2646	**AFT CAP
32	**14		**AEELS-1032-130	**INSERT
36	**8		**AEELS-1032-225	**INSERT (REPLACES NAS1330S3KB366)
37A	**6		**AN3C4A	**BOLT
37B	**4		**AN3C5A	**BOLT
38A	**2		**D3672-1	**WASHER (REPLACES NAS1515H3L)
38B	**10		**AN960C10L	**WASHER

(CONTINUED ON PAGE 20)

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Revision: E  
 Date: 11.10.19

(CONTINUED FROM PAGE 19)

Item	Qty -013	Qty -043	Part Number	Description
40	1		D2571	SADDLE, FWD OUTSIDE
41	1		D2572	SADDLE, FWD INSIDE
42	1		D2573	SADDLE, AFT OUTSIDE
43	1		D2574	SADDLE, AFT INSIDE
44	2		D2876	SADDLE SPACER
45	2		D2877	SADDLE SPACER
46A	8		D3403-1	BUSHING
46B	8		D3403-5	BUSHING
47A	4		D2747	SET SCREW
47B	2		D3533-1	SET SCREW
48	16		AN4C6A	BOLT
49A	4		AN4C52A	BOLT
49B	4		AN4C53A	BOLT
50	8		AN6C12A	BOLT
51A	32		D3672-3	WASHER (REPLACES NAS1515H4L)
51B	32		AN960C416L	WASHER
52A	8		D3672-9	WASHER (REPLACES NAS1515H6L)
52B	8		AN960C616L	WASHER
53	8		D3672-11	WASHER (REPLACES NAS1515H7L)
54	24		MS21043-4	NUT
55	4		AN4C7A	BOLT
56	2		D3591-1	BUSHING
60	8		D3403-3	BUSHING
61	1		D3405-041	GHW LUG
62	1		D3405-043	GHW LUG
63	4		AN4C47A	BOLT
64	4		MS21043-4	NUT
70	1		D3407-041	TOW RING
71	2		D3417-3	WASHER
72	1		MS21043-4	NUT
73	1		D3456-1	WASHER
91	1		AN3C37A	BOLT
92	1		AN3C40A	BOLT
93	1		AN3C41A	BOLT
94	1		AN3C42A	BOLT
95	4		#AN3C43A	BOLT
97	5		AN3C46A	BOLT
99	26		AN960C10L	WASHER
100	13		-MS21043-3	NUT

\*DENOTES PART IS INCLUDED WITH D3391-043 ASSEMBLY ABOVE

\*\*DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-742 REV. E  
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-742 REV. 4

REF. FAA STC: SR01583SE

REF. CANADIAN STC: SH05-37

REF. EASA STC: EASA.IM.R.S.01126

## PURPOSE

For D412-742-011-013 Float Skidtube Installations, qty(4) AN4C53A bolts may be replaced with qty(4) AN4C52A bolts. Kits may be supplied from Dart with either AN4C52A or AN4C53A bolts.

Note that it is acceptable to use longer or shorter AN4C bolts than those specified, as long as there is a minimum of 1.5 threads in safety.

## CHANGE

The parts lists of Installation Instructions IIN-D412-742 Rev. E and Instructions for Continued Airworthiness ICA-D412-742 Rev. 4 is amended as follows:

5.1 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List (IIN-D412-742)

32.18 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List (ICA-D412-742)

Item	Qty -011	Qty -041	Qty -015	Part Number	Description
	X			D412-742-011	FLOAT SKIDTUBE INSTALLATION

IS:

49B	4			AN4C53A OR AN4C52A	BOLT
-----	---	--	--	-----------------------	------

WAS:

49B	4			AN4C53A	BOLT
-----	---	--	--	---------	------

5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List (IIN-D412-742)

32.19 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List (ICA-D412-742)

Item	Qty -013	Qty -043	Part Number	Description
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION

IS:

49B	4			AN4C53A OR AN4C52A	BOLT
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WAS:

49B	4			AN4C53A	BOLT
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A	NEW ISSUE			CP	12.02.28
REV.	DESCRIPTION			BY	DATE
DESIGN	99	DART AEROSPACE USA, INC			
DRAWN	99	KENT, WA			
CHECKED	<i>[initials]</i>	DRAWING NO.			REV. A
MFG. APPR.	N/A	DSI 9600			SHEET 1 OF 1
APPROVED	<i>[initials]</i>	TITLE			SCALE
DE APPR.	<i>[initials]</i>	BOLT SUBSTITUTION			NTS
DATE	12.02.28			COPYRIGHT © 2012 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.	